

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) ~~An information terminal apparatus, including data operation processing means for performing operation processing for input image data and preparing output image data;~~
~~characterized by comprising:~~

a processor configured to perform first interpolation processing steps on input image data so as to prepare a first output image data;

removal means, for removing, from the output image data, a retrieval module configured to intermittently remove at least a part or all of interpolation processing preformed in the steps of an operational processing sequence performed for first interpolation processing steps from the input first output image data; and

the data processing means, for performing other operational processor further configured to perform at least one of a second interpolation processing steps for step on data obtained by in the removal process the removal means and for preparing so as to prepare a second output image data.

2. (Currently Amended) ~~An~~ The ~~information terminal apparatus~~ according to claim 1, ~~characterized by further comprising a camera module including a lens, an image sensor and a camera DSP, and characterized in that: wherein~~

the camera DSP includes a color correction means corrector, a gamma correction means corrector, a color interpolation means interpolator, and an image quality correction means corrector;

wherein the camera module produces the input first output image data; and

wherein the removal means removes an interpolation process by performing an retrieval module performs intermittent process for processing steps on pixels that are interpolated by

the color ~~correction means~~ corrector of the camera DSP, ~~minimizes so as to minimize~~ affects due to a color correction process and an image quality correction process that are performed by the camera DSP; and
again ~~performs~~ the processor further configured to perform an arbitrary color interpolation ~~process~~ processing step and an arbitrary image quality correction ~~process~~ step that are more complicated than the removed interpolation step.

3. (Currently Amended) ~~An~~ The information terminal apparatus according to claim 2, ~~characterized in that wherein the removal means identifies~~ retrial module is further configured to recognize an arrangement pattern for color filters that are laid on the image sensor, ~~and separates to separate~~ color elements of pixels generated during the first interpolation ~~process~~ processing steps from color elements of pixels used to produce those color elements, and ~~to selectively performs an~~ perform the intermittent ~~process~~ processing steps for the color elements of the pixels generated during the first interpolation ~~process~~ processing steps.

4. (Currently Amended) A data ~~processing~~ method, ~~including a step of obtaining image data, a step of performing an interpolation process for the image data thus obtained, and a step of outputting the image data resulting from the interpolation process,~~ characterized by comprising the steps of:

performing first interpolation processes on input image data so as to prepare a first output image data;

removing performing intermittent processes to remove at least a part of the first interpolation process processes from the first output image data resulting from the interpolation process; and

performing another at least one second interpolation process on data obtained in the intermittent processes so as to prepare a second output image data for data obtained after the interpolation process has been removed.

5. – 8. (Cancelled)

9. (New) The method of claim 4, wherein the intermittent processes comprise a process performed on pixels that are interpolated by a color corrector so as to minimize affects due to a color correction process, an image quality correction process that are performed by a camera DSP, an arbitrary color interpolation process, and an arbitrary image quality correction process that is more complicated than the removed interpolation step.

10. (New) The method of claim 9, wherein the performing intermittent processing further comprises recognizing an arrangement pattern for color filters that are laid on the image sensor, separating color elements of pixels generated during the first interpolation processes from color elements of pixels used to produce those color elements, and selectively processing color elements of pixels generated during the first interpolation processes.

11. (New) The apparatus of claim 1 embodied in an information terminal.